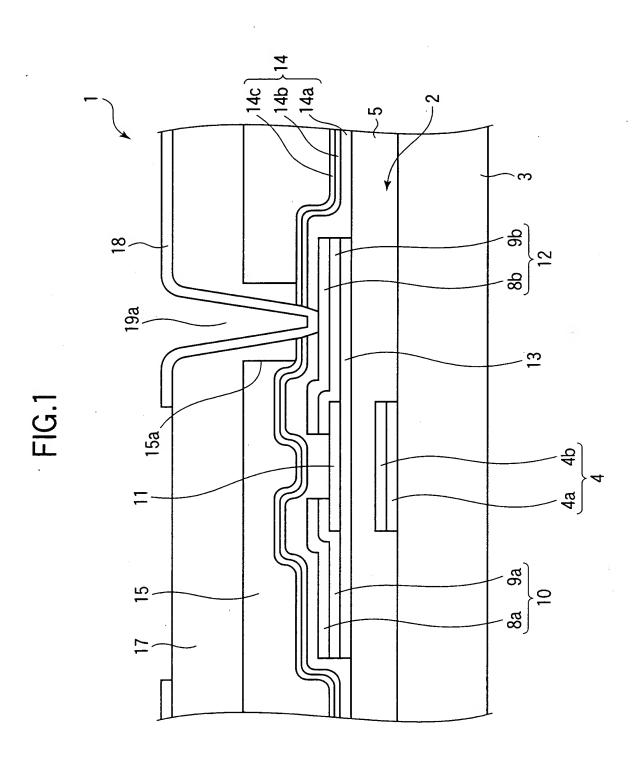
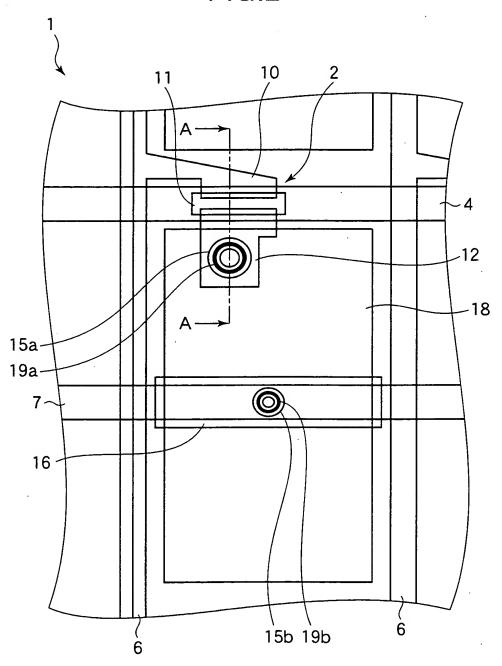
SUBSTRATE FOR LIQUID CRYSTAL... January 28, 2004
Sawasaki et al.
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1324.69360
Sheet 1 of 24 (312) 360 0080

1/24



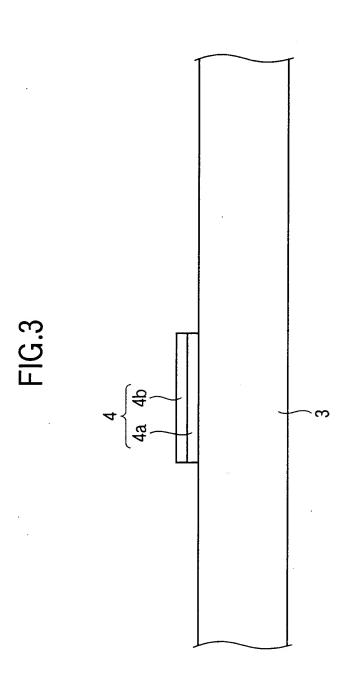
SUBSTRATE FOR LIQUID CRYSTAL... January 28, 2004
Sawasaki et al.
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1324.69360
Sheet 2 of 24 (312) 360 0080

FIG.2

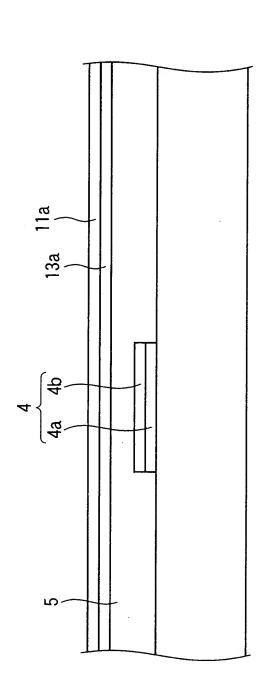


SUBSTRATE FOR LIQUID CRYSTAL... January 28, 2004
Sawasaki et al.
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1324.69360
Sheet 3 of 24 (312) 360 0080

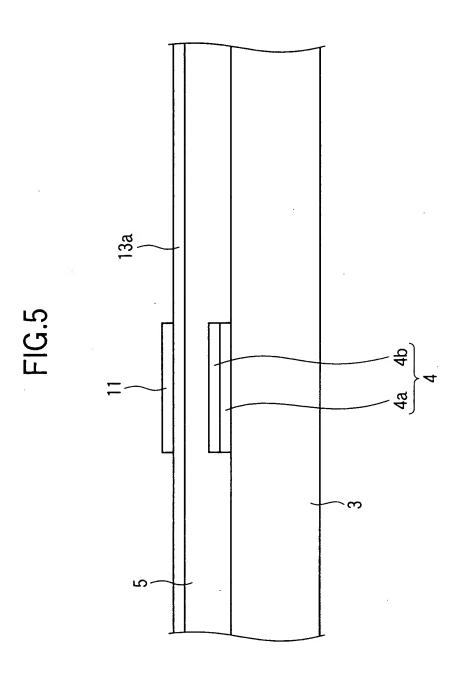
3/24



4/24

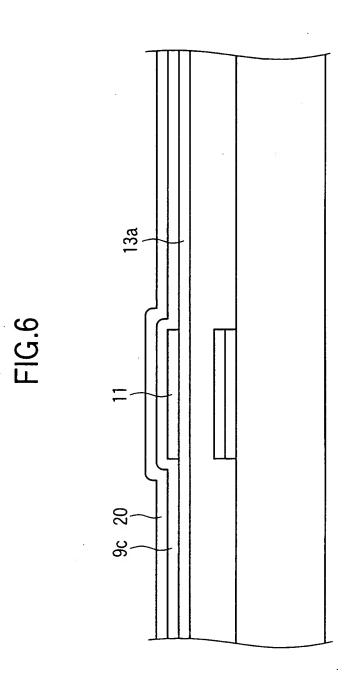


5/24



SUBSTRATE FOR LIQUID CRYSTAL... January 28, 2004
Sawasaki et al.
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1324.69360
Sheet 6 of 24 (312) 360 0080

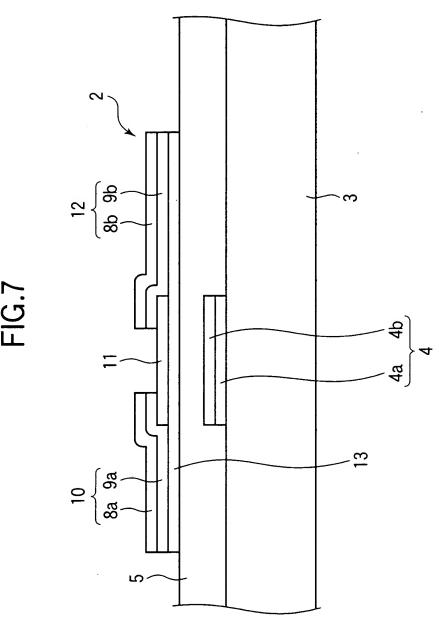
6/24



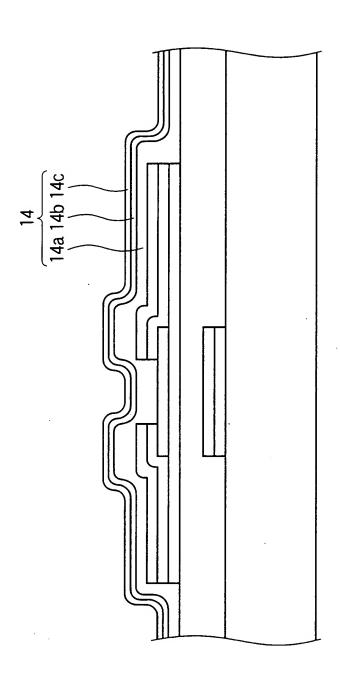
SUBSTRATE FOR LIQUID CRYSTAL... January 28, 2004
Sawasaki et al.
Greer, Burns & Crain, Ltd.
Ref. No. 1324.69360
Sheet 7 of 24

January 28, 2004
(Patrick Burns)
(312) 360 0080 (312) 360 0080

7/24



SUBSTRATE FOR LIQUID CRYSTAL... January 28, 2004
Sawasaki et al.
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1324.69360
Sheet 8 of 24 (312) 360 0080



SUBSTRATE FOR LIQUID CRYSTAL... January 28, 2004
Sawasaki et al.
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1324.69360
Sheet 9 of 24 (312) 360 0080

9/24

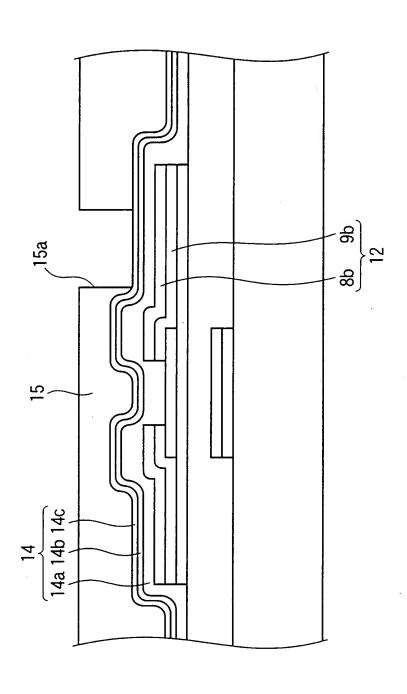
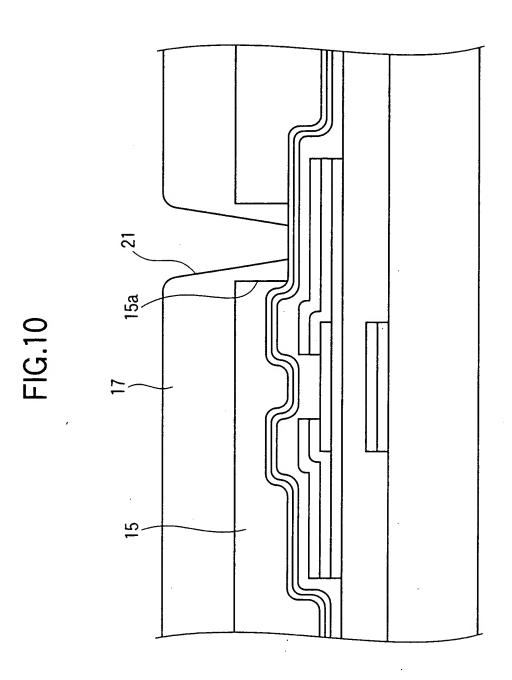


FIG.9

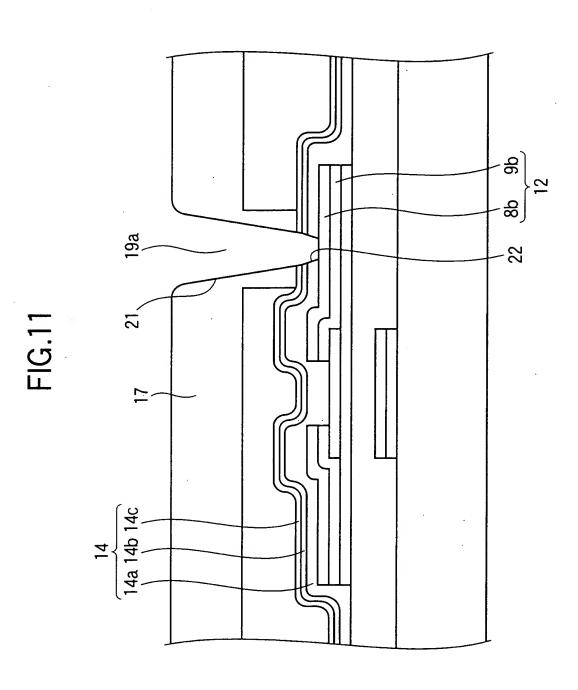
SUBSTRATE FOR LIQUID CRYSTAL... Sawasaki et al. Greer, Burns & Crain, Ltd. Ref. No. 1324.69360 Sheet 10 of 24

January 28, 2004 (Patrick Burns) (312) 360 0080

10/24



11/24



SUBSTRATE FOR LIQUID CRYSTAL... January 28, 2004
Sawasaki et al.
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1324.69360
Sheet 12 of 24 (312) 360 0080

12/24

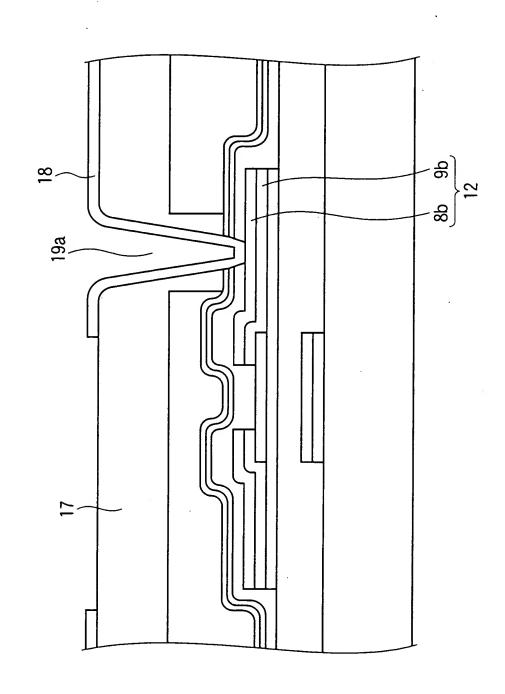
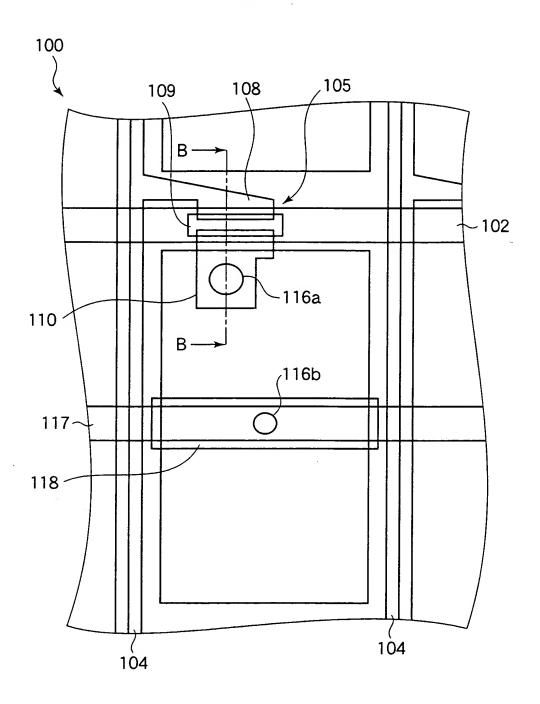


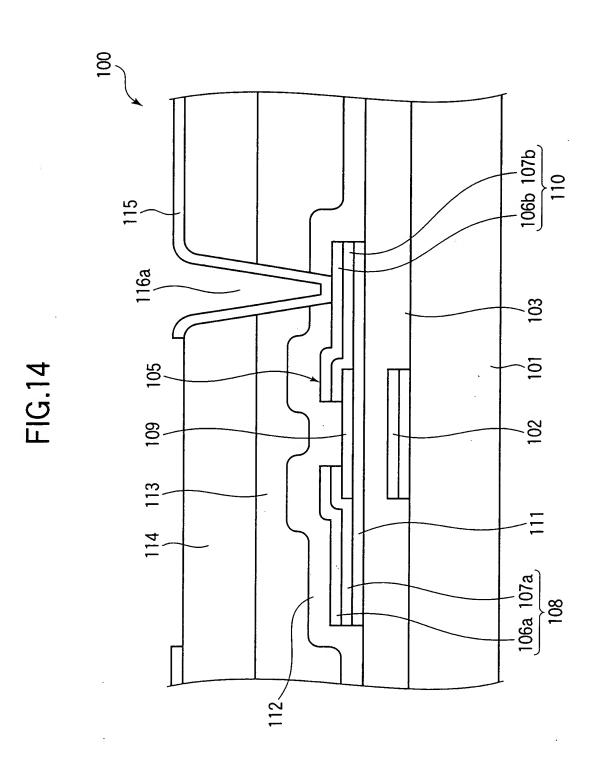
FIG.12

SUBSTRATE FOR LIQUID CRYSTAL... January 28, 2004
Sawasaki et al.
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1324.69360
Sheet 13 of 24 (312) 360 0080

**FIG.13** 

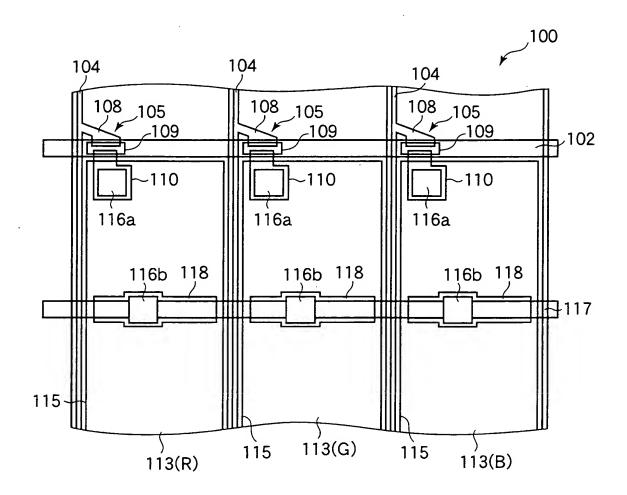


14/24



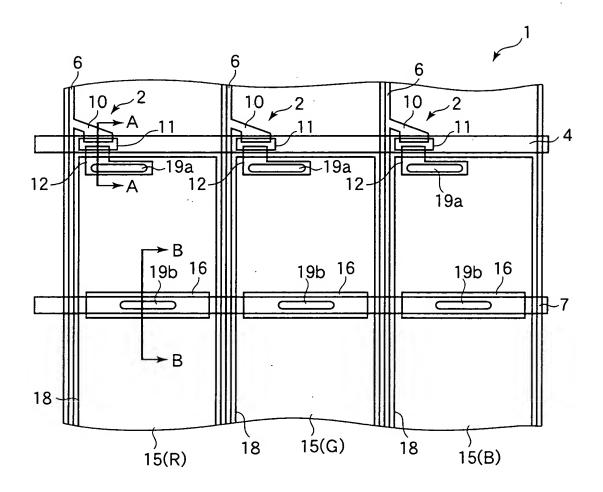
SUBSTRATE FOR LIQUID CRYSTAL... January 28, 2004
Sawasaki et al.
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1324.69360
Sheet 15 of 24 (312) 360 0080

**FIG.15** 

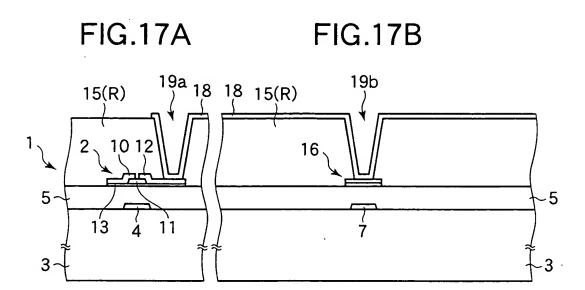


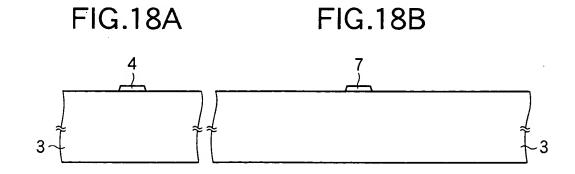
SUBSTRATE FOR LIQUID CRYSTAL... January 28, 2004
Sawasaki et al.
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1324.69360
Sheet 16 of 24 (312) 360 0080

FIG.16

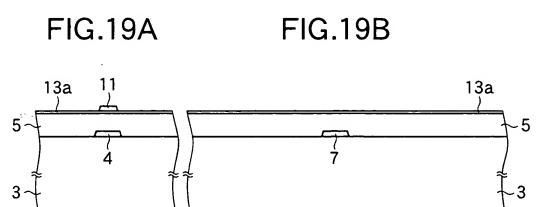


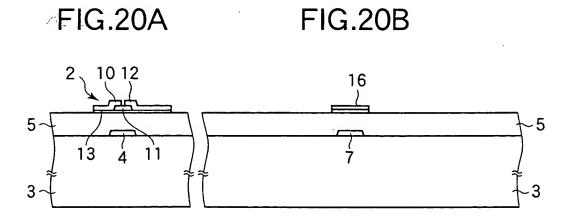
SUBSTRATE FOR LIQUID CRYSTAL... January 28, 2004
Sawasaki et al.
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1324.69360
Sheet 17 of 24 (312) 360 0080





SUBSTRATE FOR LIQUID CRYSTAL... January 28, 2004
Sawasaki et al.
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1324.69360
Sheet 18 of 24 (312) 360 0080

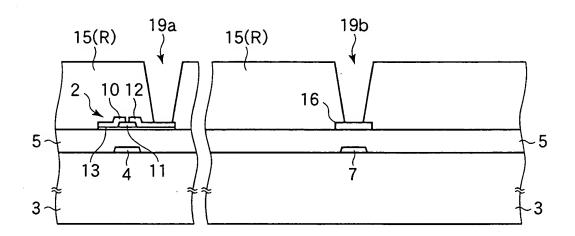




SUBSTRATE FOR LIQUID CRYSTAL... January 28, 2004 |
Sawasaki et al.
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1324.69360
Sheet 19 of 24 (312) 360 0080

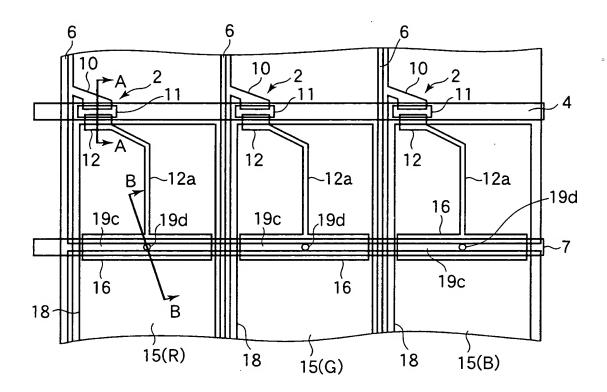
FIG.21A

FIG.21B



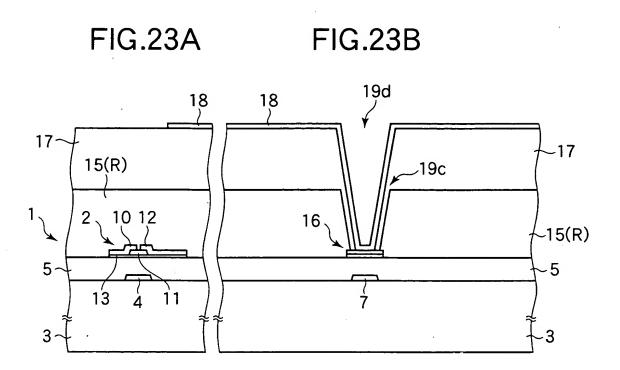
SUBSTRATE FOR LIQUID CRYSTAL.. January 28, 2004
Sawasaki et al.
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1324.69360
Sheet 20 of 24 (312) 360 0080

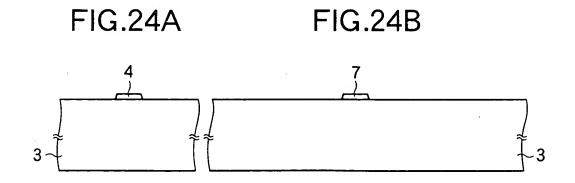
**FIG.22** 



SUBSTRATE FOR LIQUID CRYSTAL... January 28, 2004
Sawasaki et al.
Greer, Burns & Crain, Ltd.
Ref. No. 1324.69360
Sheet 21 of 24
(312) 360 0080

21/24





SUBSTRATE FOR LIQUID CRYSTAL... January 28, 2004
Sawasaki et al.
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1324.69360
Sheet 22 of 24 (312) 360 0080

22/24

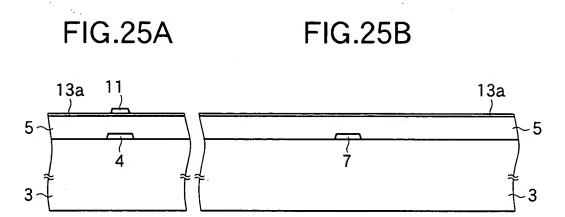
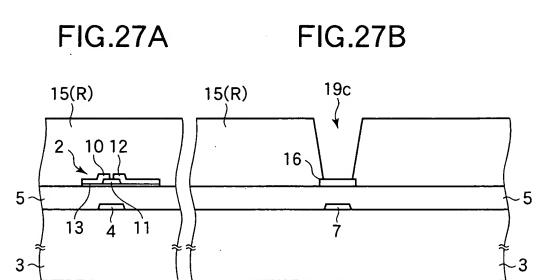
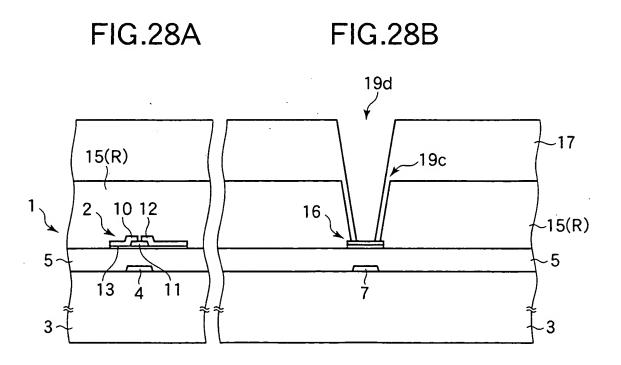


FIG.26A FIG.26B

SUBSTRATE FOR LIQUID CRYSTAL... January 28, 2004
Sawasaki et al.
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1324.69360
Sheet 23 of 24 (312) 360 0080





SUBSTRATE FOR LIQUID CRYSTAL... January 28, 2004 Sawasaki et al. Greer, Burns & Crain, Ltd. (Patrick Burns) Ref. No. 1324.69360 Sheet 24 of 24 (312) 360 0080

FIG.29

